

FIG. 1

FIG. 2C

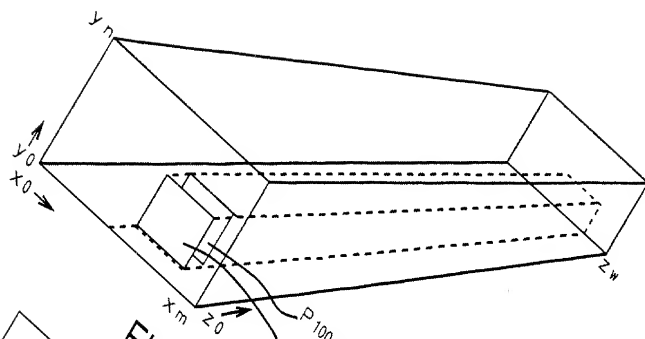


FIG. 2A

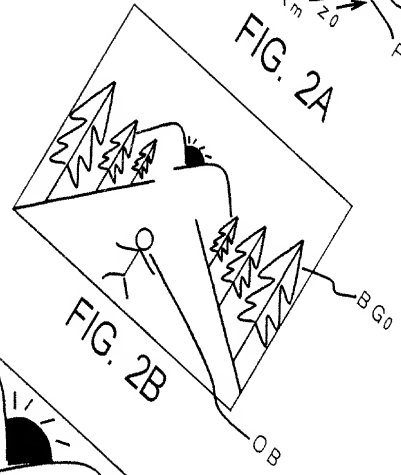


FIG. 2B

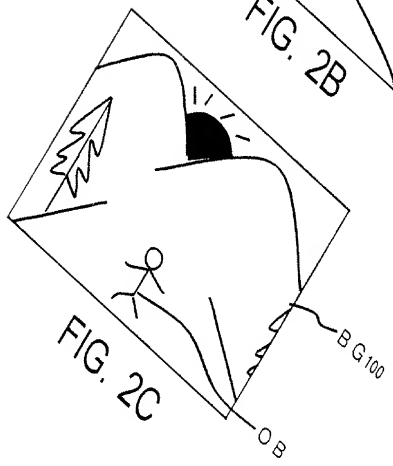


FIG. 2C

FIG. 3A

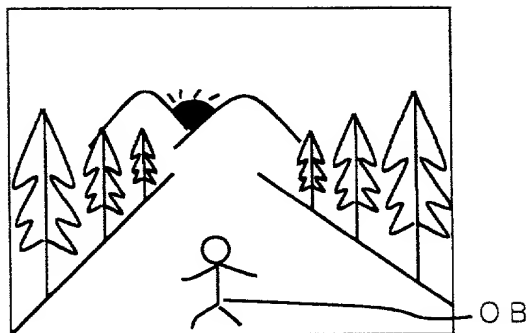


FIG. 3B

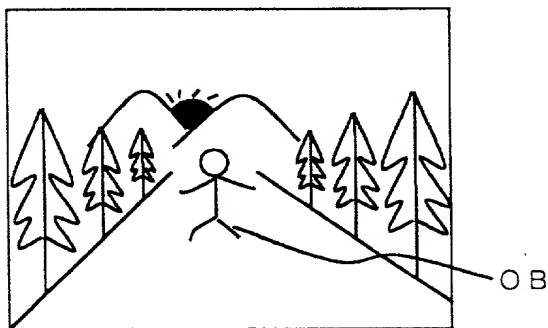


FIG. 3C

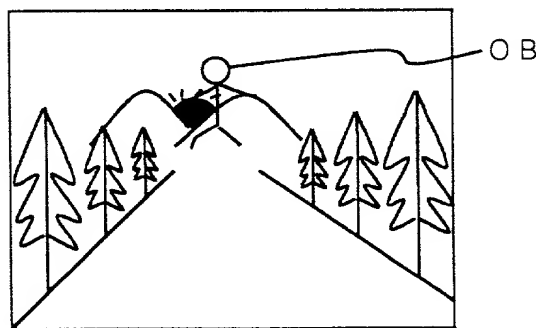
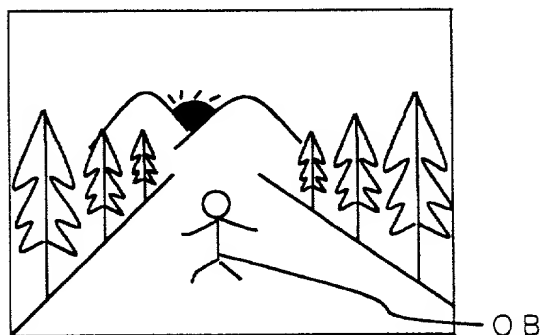


FIG. 3D



PRESSURE-SENSING VALUE	VELOCITY COEFFICIENT
0 ~ 5	1
6	E 1
7	E 2
⋮	⋮
2 5 5	E 2 5 5

FIG. 4A

PRESSURE-SENSING VALUE	VELOCITY COEFFICIENT
0 ~ 5	1
6	F 1
7	F 2
⋮	⋮
2 5 5	F 2 5 5

FIG. 4B

```

graph TD
    START([START]) --> S1{IS THE FLAG SET?}
    S1 -- YES --> S10{IS VALUE LESS THAN THE PREVIOUS VALUE?}
    S1 -- NO --> S2{IS INPUT PRESENT?}
    S2 -- NO --> S1
    S2 -- YES --> S3[ACQUIRE DATA FROM THE CONTROLLER]
    S3 --> S4{IS THE JUMP VALUE PRESENT?}
    S4 -- NO --> S1
    S4 -- YES --> S5[SET FLAG]
    S5 --> S6[FIND VELOCITY COEFFICIENT FROM TABLE]
    S6 --> S7[STORE VELOCITY COEFFICIENT]
    S7 --> S8[GENERATE NEXT FRAME BASED ON VELOCITY]
    S8 --> S9[DISPLAY IMAGE]
    S9 --> S10
    S10 -- YES --> S11[READ STORED VELOCITY COEFFICIENT]
    S11 --> S12[GENERATE NEXT FRAME]
    S12 --> S13[DISPLAY IMAGE]
    S13 --> S14{HAS OBJECT LANDED?}
    S14 -- YES --> S15[RESET FLAG]
    S15 --> S1
    S14 -- NO --> S1

```

FIG. 5

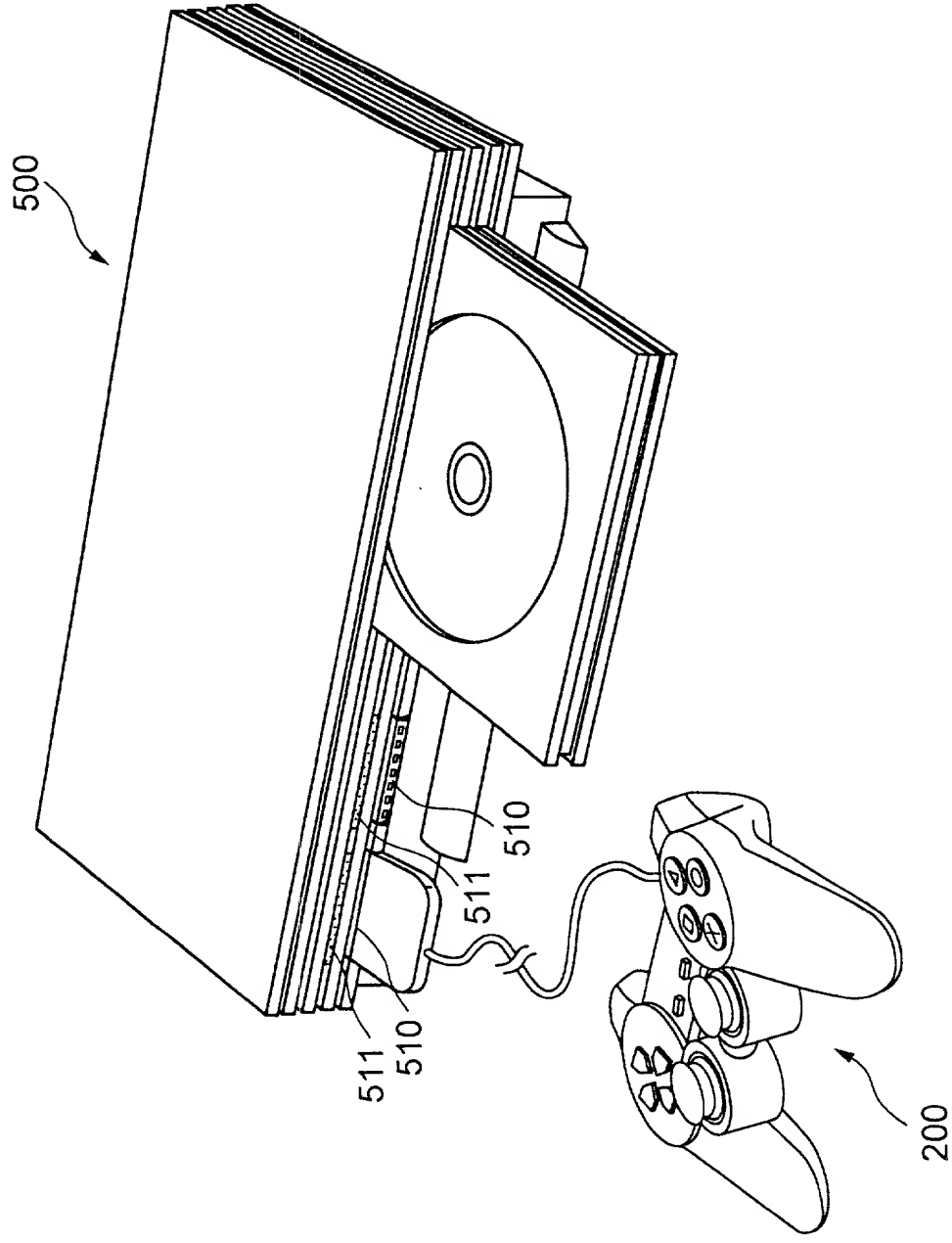


FIG. 6

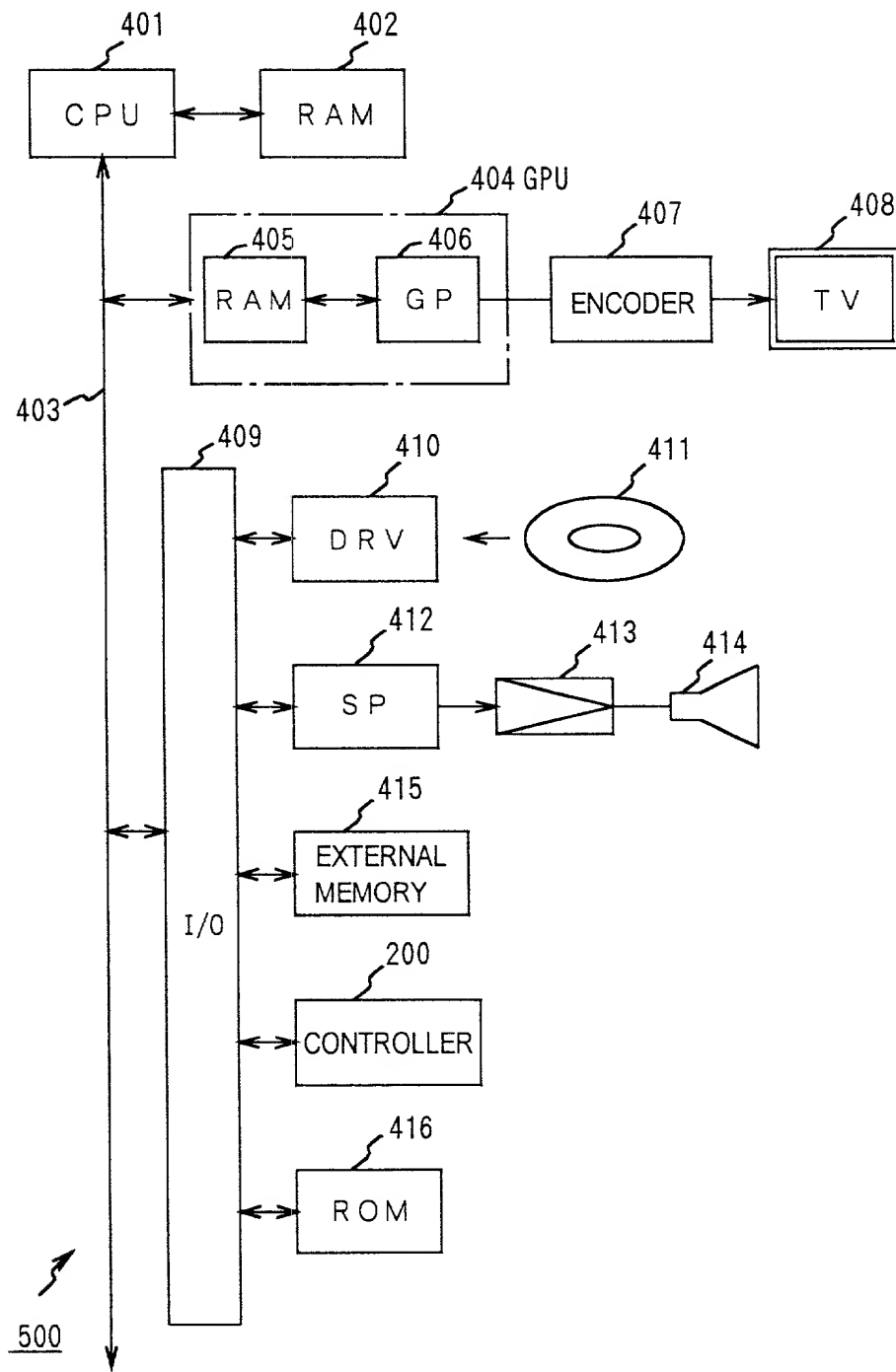


FIG. 7

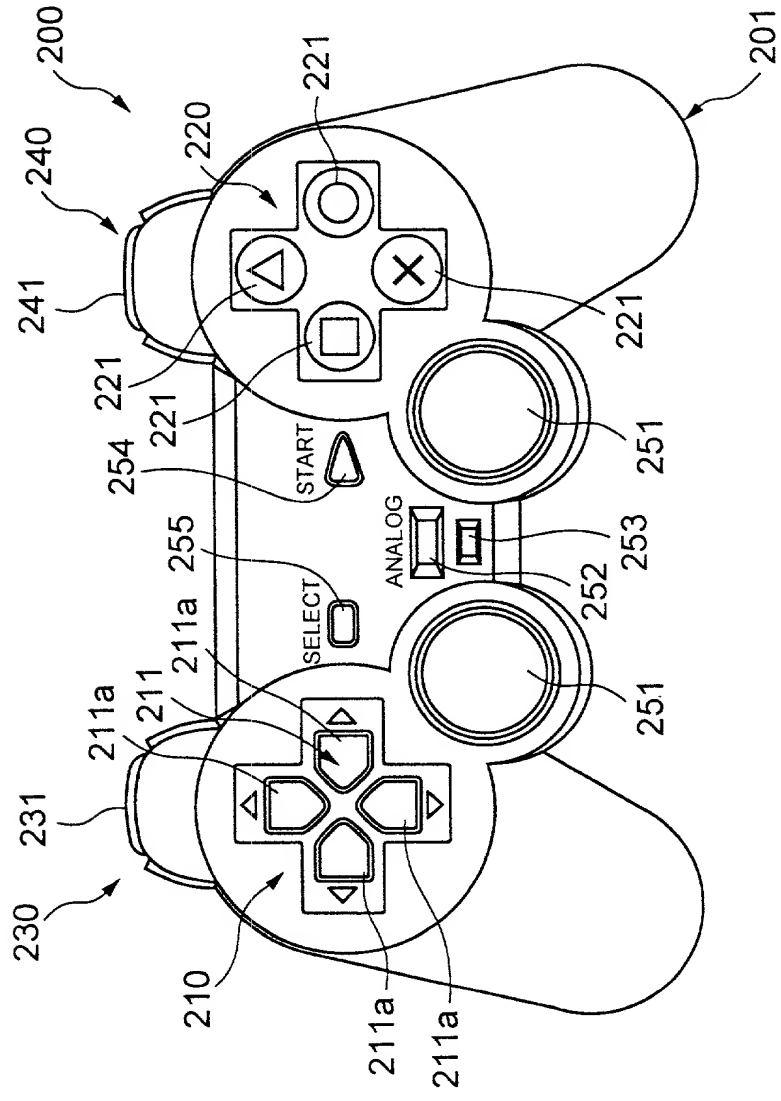


FIG. 8

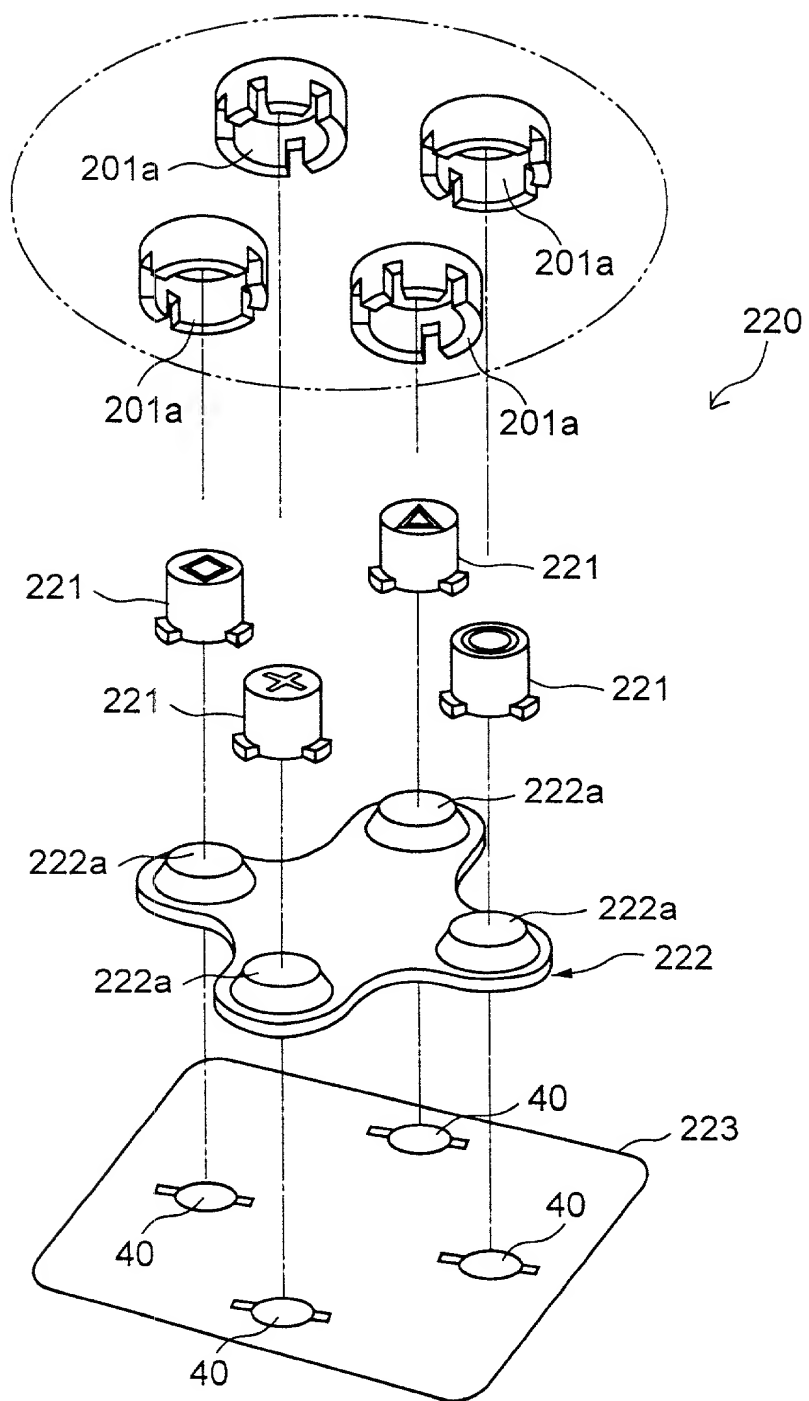


FIG. 9

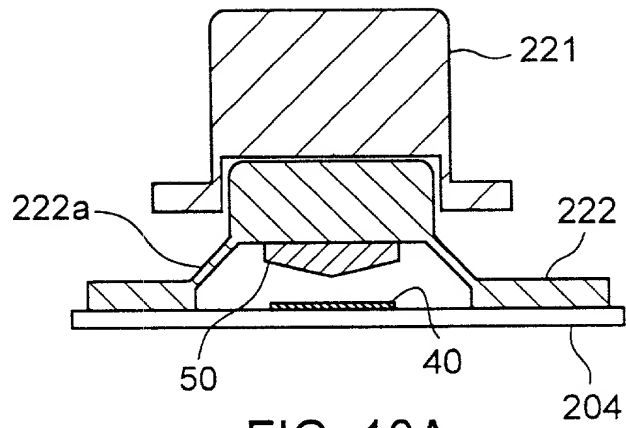


FIG. 10A

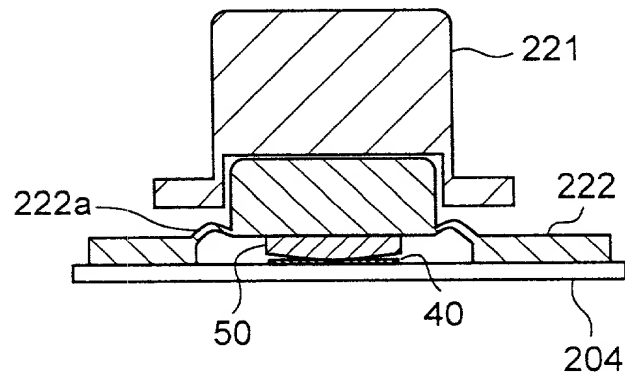


FIG. 10B

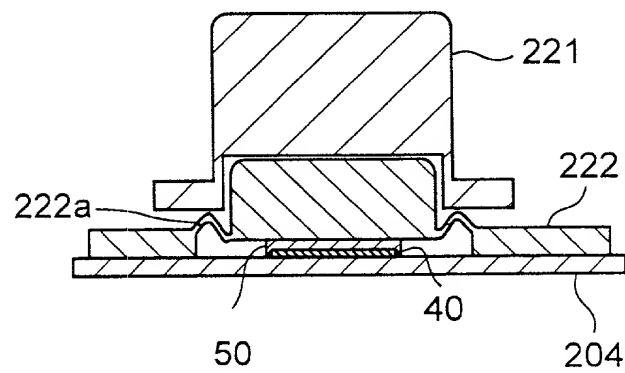


FIG. 10C

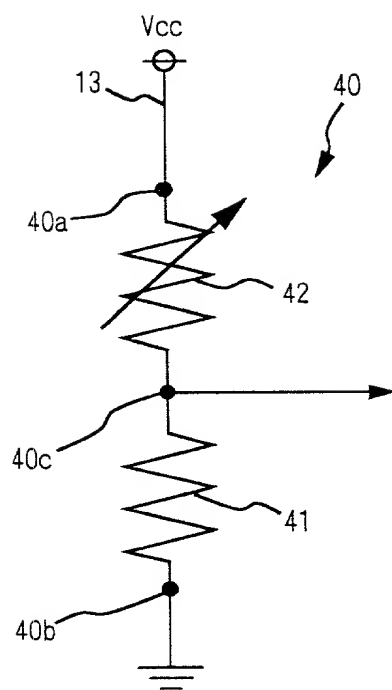


FIG. 11

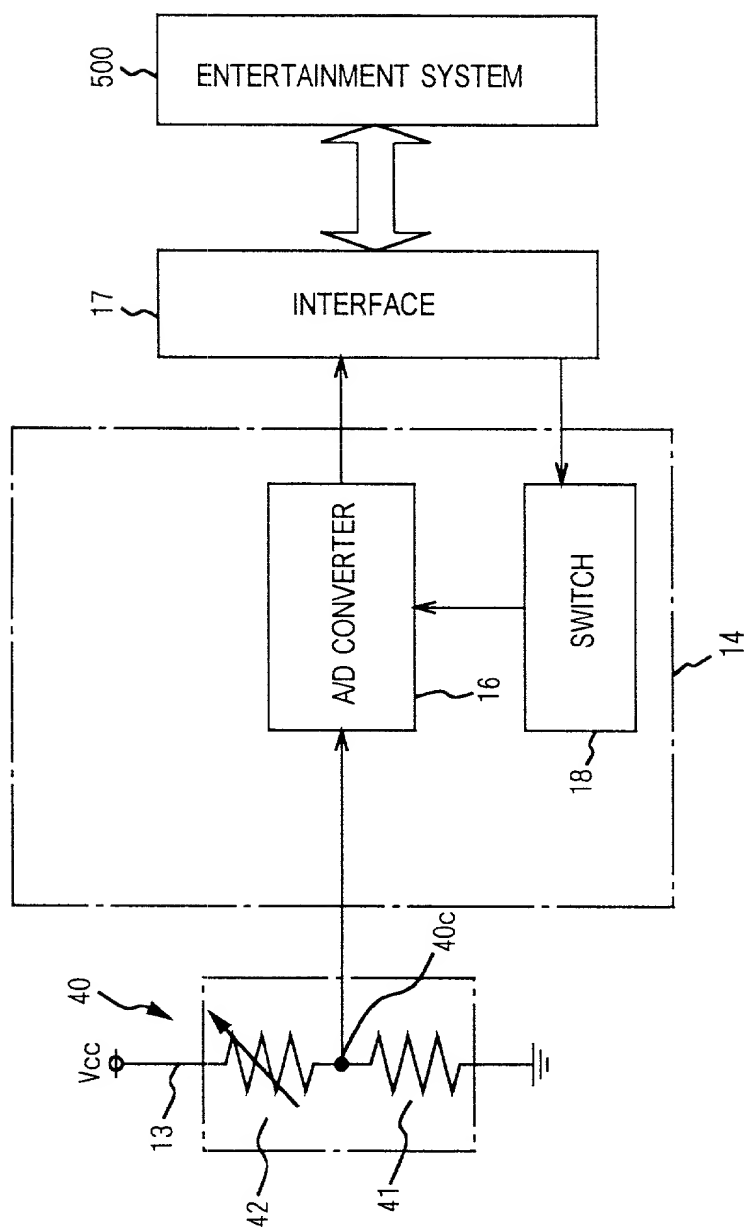


FIG. 12

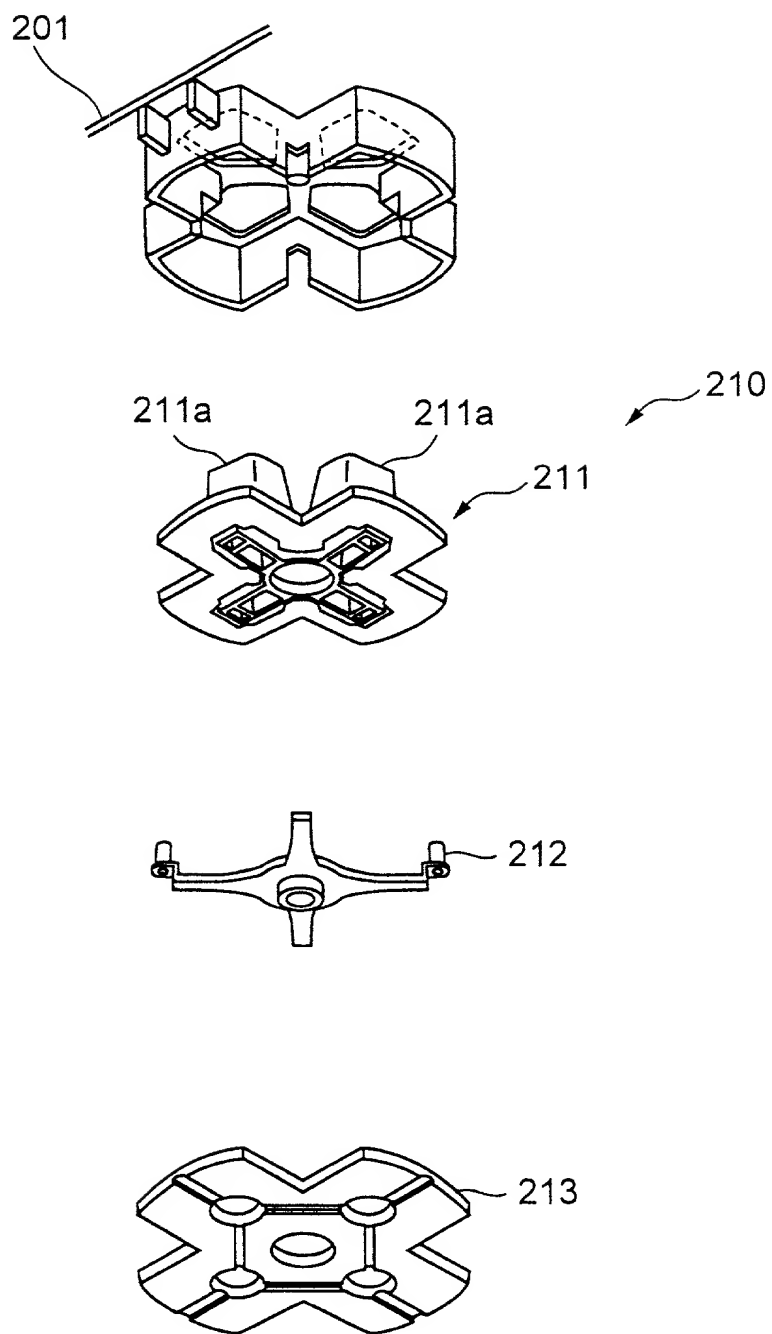


FIG. 13

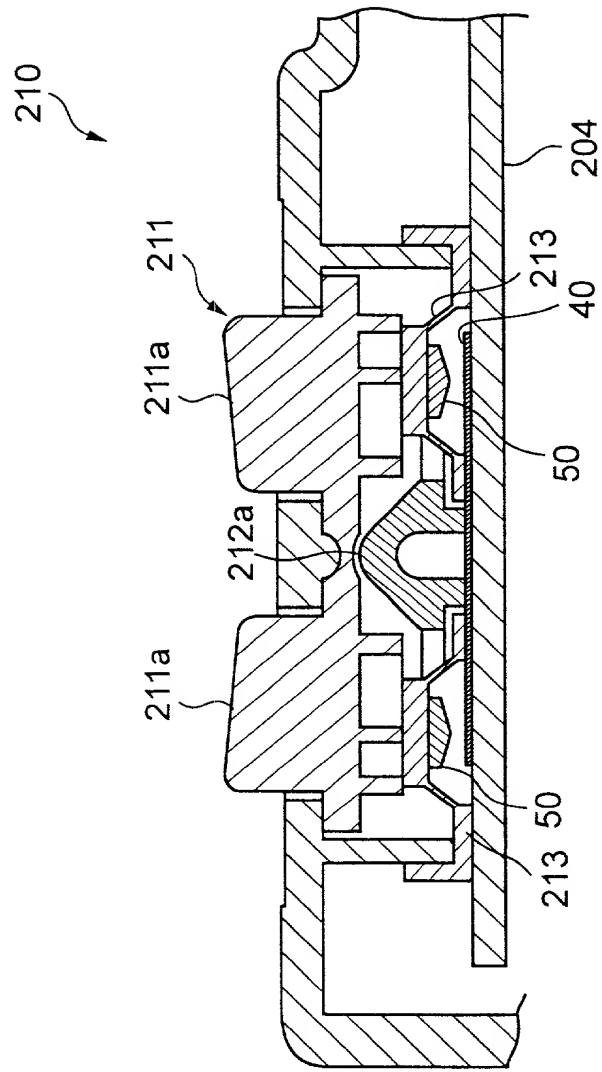


FIG. 14

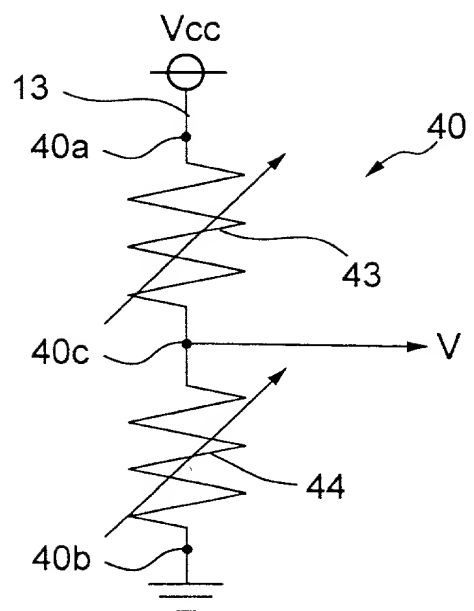


FIG. 15

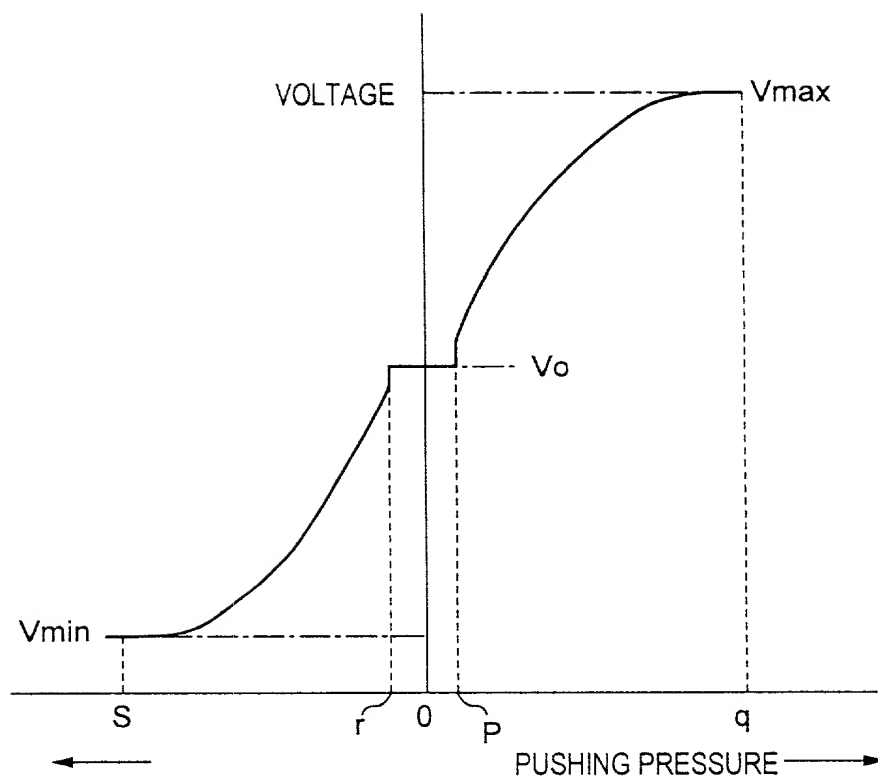


FIG. 16

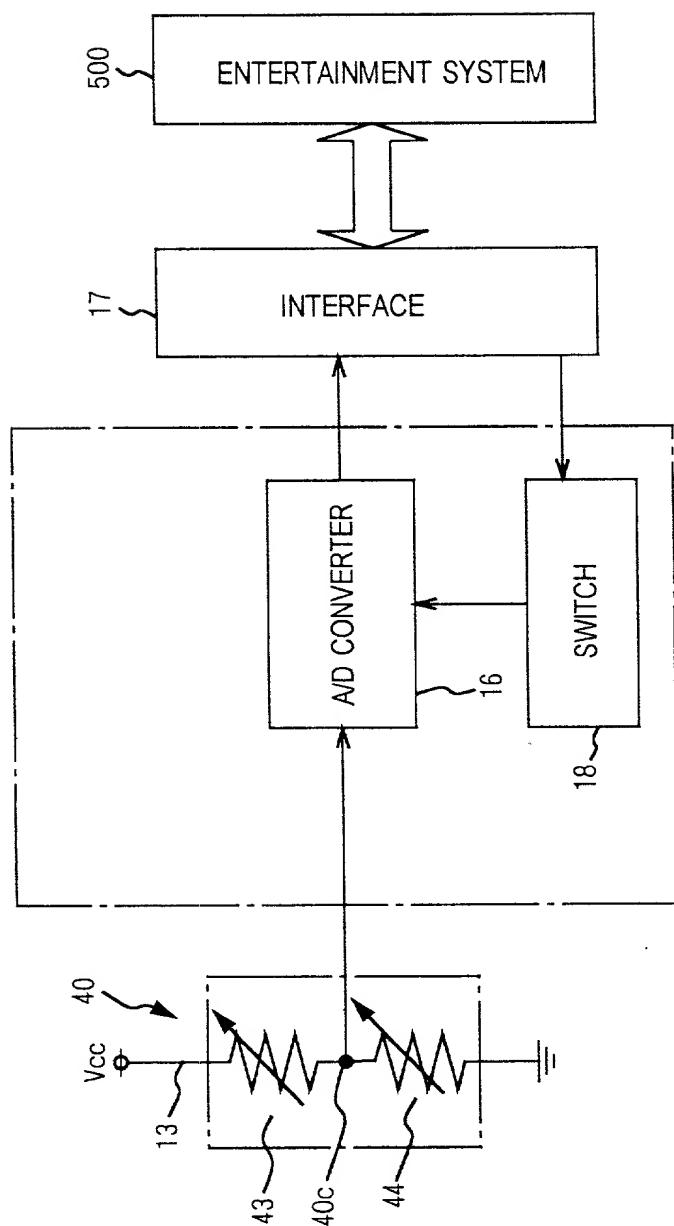


FIG. 17

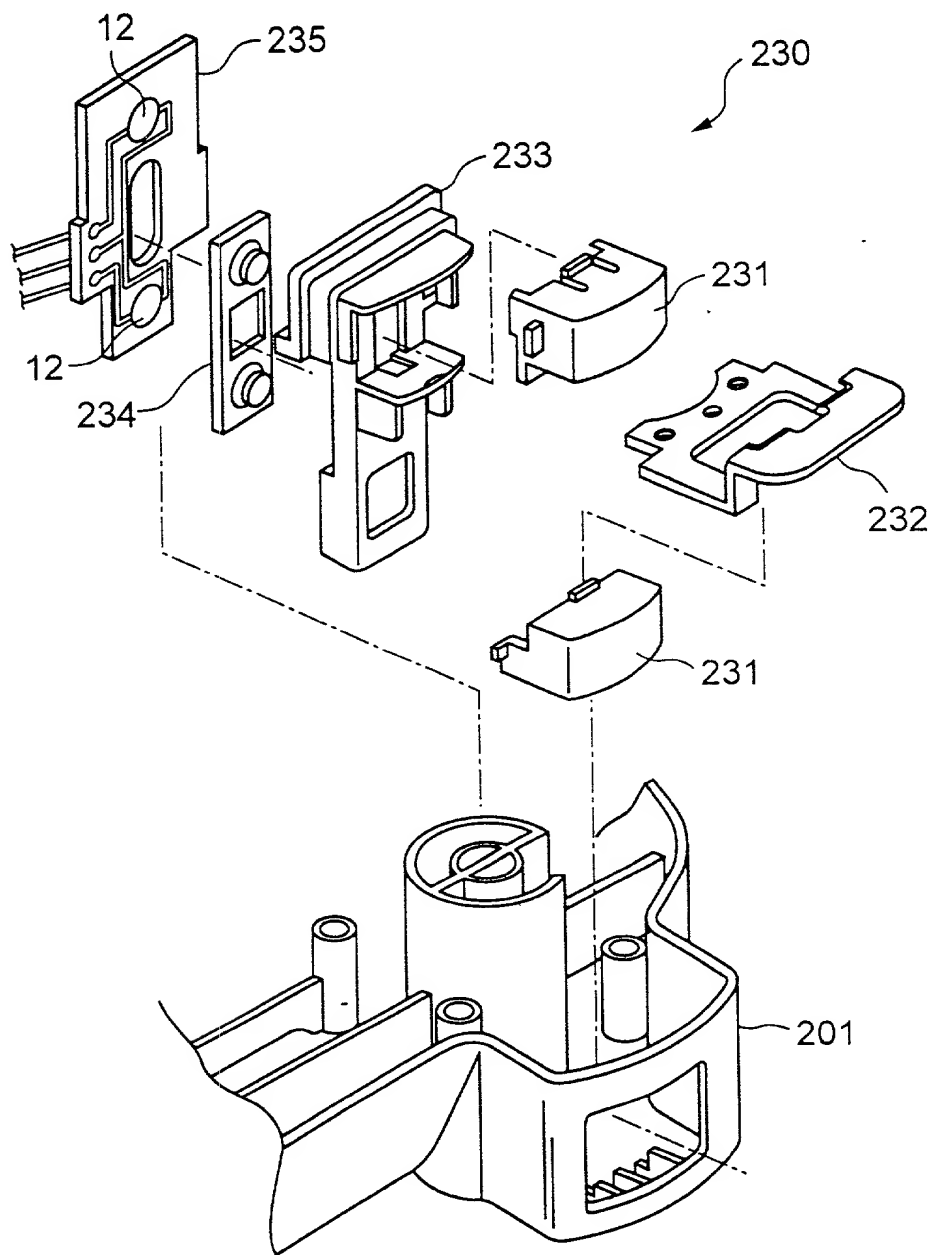


FIG. 18